BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

E-MB

ıme of Work: Improvements of CC drain & Covering Slab Bylappa Circle Left side to ılamaheshwaramma temple road in Dasarahalli Ward No 15

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Pre-measurments								
KSRRB M200-Dismtling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonary, cement concrete, wood work,steel work, including T&P and scaffolding whereever necessary, sorting the dismanlet material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specification Lime/Cement concrete I. By Manual Means C. Prestressed /Reinforced cement concrete Grade M-20 &								
bylappa circle to 1st crs	Cum	1	25.60	1.20	0.15	4.61		
1st crs to 2nd crs		1	27.80	1.20	0.15	5.00		
2nd crs to st mary scl		1	23.60	1.20	0.15	4.25		
st mary to kk road		1	28.30	1.20	0.15	5.09		
kk road to 4th crs		1	16.30	1.20	0.15	2.93		
4th crs to 5th crs		1	31.00	1.20	0.15	5.58		
5th crs to 6th crs		1	35.00	1.20	0.15	6.30		
6th crs to 7th crs		1	26.80	1.20	0.15	4.82		
7th crs to saw mill road		1	26.30	1.20	0.15	4.73		
culvert		1	7.60	1.60	0.15	1.82		
saw mill road to 1st crs maheshwari nagar		1	25.50	1.20	0.15	4.59		
1st crs maheshwari nagar to nelamaheshwaramma temple		1	27.60	1.20	0.15	4.97		
bylappa circle to 1st crs		2	25.60	0.15	0.90	6.91		
1st crs to 2nd crs		2	27.80	0.15	0.90	7.51		
2nd crs to st mary scl		2	23.60	0.15	0.90	6.37		
st mary to kk road		2	28.30	0.15	0.90	7.64		
kk road to 4th crs		2	16.30	0.15	0.90	4.40		
4th crs to 5th crs		2	31.00	0.15	0.90	8.37		
5th crs to 6th crs		2	35.00	0.15	0.90	9.45		
6th crs to 7th crs		2	26.80	0.15	0.90	7.24		
7th crs to saw mill road		2	26.30	0.15	0.90	7.10		
culvert		2	7.60	0.30	0.90	4.10		
saw mill road to 1st crs maheshwari nagar		2	25.50	0.15	0.90	6.89		
1st crs maheshwari nagar to nelamaheshwaramma temple		2	27.60	0.15	0.90	7.45		
						138.14	1684.00	232624.00
Pre-measurments								
KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.143/I.19.1 PW, P & IWTD -SR 2018-19)								
ylappa circle to 1st cross	Cum	1	25.60	1.20	1.00	30.72		
st crs to 2nd crs		1	27.80	1.20	1.00	33.36		
nd crs to st mary scl		1	23.60	1.20	1.00	28.32		
t mary to kk road		1	28.30	1.20	1.00	33.96		

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kk road to 4th crs		1	16.30	1.20	1.00	19.56			
4th crs to 5th crs		1	31.00	1.20	1.00	37.20			
5th crs to 6th crs		1	35.00	1.20	1.00	42.00			
6th crs to 7th crs		1	26.80	1.20	1.00	32.16			
7th crs to saw mill road		1	26.30	1.20	1.00	31.56			
culvert		1	7.60	1.60	1.20	14.59			
saw mill road to 1st crs maheshwari nagar		1	25.50	1.20	1.00	30.60			
1st crs maheshwari nagar to nelamaheshwaramma temple		1	27.60	1.20	1.00	33.12			
						367.15	137.00	50300.00	

Checked with note 15/1

Carried to 15/1

Pre-measurments

KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 (P.222/I.27.18) PWD - SR 2018-19)

bylappa circle to 1st cross	Cum	1	25.60	1.20	0.10	3.07			
1st crs to 2nd crs		1	27.80	1.20	0.10	3.34			
2nd crs to st mary scl		1	23.60	1.20	0.10	2.83			
st mary to kk road		1	28.30	1.20	0.10	3.40			
kk road to 4th crs		1	16.30	1.20	0.10	1.96			
4th crs to 5th crs		1	31.00	1.20	0.10	3.72			
5th crs to 6th crs		1	35.00	1.20	0.10	4.20			
6th crs to 7th crs		1	26.80	1.20	0.10	3.22			
7th crs to saw mill road		1	26.30	1.20	0.10	3.16			
culvert		1	7.60	1.60	0.12	1.46			
saw mill road to 1st crs maheshwari nagar		1	25.50	1.20	0.10	3.06			
1st crs maheshwari nagar to nelamaheshwaramma temple		1	27.60	1.20	0.10	3.31			
						36.72	5421.00	199033.00	

Checked with note 15/1

Carried to 15/1

199059.60

Pre-measurments

KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.229 - I. no.28.8.2]PWD - SR 2018-19)

	Tonne							
Description of work	**Dia**	**Length**	**Nos**	**8mm**	**10mm**			
For RCC Drain								
(L=0.90+0.90+0.90=2.70)								
bylappa circle to 1st cross								
Main steel	10mm	2.70	256		691.20			
Dist steel	8mm	25.60	27	691.20				
1st crs to 2nd crs								
Main steel	10mm	2.70	278		750.60			
Dist steel	8mm	27.80	27	750.60				
2nd crs to st mary scl								

Carried to 18/1

Carried to 18/1

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Main steel	10mm	2.70	236		637.20
Dist steel	8mm	23.60	27	637.20	
st mary to kk road					
Main steel	10mm	2.70	283		764.10
Dist steel	8mm	28.30	27	764.10	
kk road to 4th crs					
Main steel	10mm	2.70	163		440.10
Dist steel	8mm	16.30	27	440.10	
4th crs to 5th crs					
Main steel	10mm	2.70	310		837.00
Dist steel	8mm	31.00	27	837.00	
5th crs to 6th crs					
Main steel	10mm	2.70	350		945.00
Dist steel	8mm	35.00	27	945.00	
6th crs to 7th crs					
Main steel	10mm	2.70	268		723.60
Dist steel	8mm	26.80	27	723.60	
7th crs to saw mill road					
Main steel	10mm	2.70	263		710.10
Dist steel	8mm	26.30	27	710.10	
saw mill road to 1st crs maheshwari nagar					
Main steel	10mm	2.70	255		688.50
Dist steel	8mm	25.50	27	688.50	
1st crs maheshwari nagar to nelamaheshwaramma temple					
Main steel	10mm	2.70	276		745.20
Dist steel	8mm	27.60	27	745.20	
			Mtr	7932.60	7932.60
	8mm	7932.60	0.39	Kgs	3093.71
	10mm	7932.60	0.62	Kgs	4918.21
				Kgs	8011.93
				M.T	8.01

Description of work	Dia	Length	Nos	10mm	12mm
culvert mat					
culvert					
steel	12mm	7.60	15		114.00
teel	10mm	1.50	76	114.00	
culvert wall					
teel	12mm	4*2	70		560.00
el	10mm	7.60	20	152.00	
			Mtr	266.00	674.00

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10mm		266.00	0.62	Kgs	164.92				
12mm		674.00	0.89	Kgs	599.86				
Checked				Kgs	764.78				
				Kgs	8776.71				
				M.T	8.78				
							8.78		
							8.78	72326.00	634784.00
Pre-Measurement									
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200.(PWD SR 2018-19 P.no-271, It No 37.59.20)									
bylappa circle to 1st cross	Cum	1	25.60	0.90	0.10		2.30		
1st crs to 2nd crs		1	27.80	0.90	0.10		2.50		
2nd crs to st mary scl		1	23.60	0.90	0.10		2.12		
st mary to kk road		1	28.30	0.90	0.10		2.55		
kk road to 4th crs		1	16.30	0.90	0.10		1.47		
4th crs to 5th crs		1	31.00	0.90	0.10		2.79		
5th crs to 6th crs		1	35.00	0.90	0.10		3.15		
6th crs to 7th crs		1	26.80	0.90	0.10		2.41		
7th crs to saw mill road		1	26.30	0.90	0.10		2.37		
culvert		1	7.60	0.90	0.10		0.68		
saw mill road to 1st crs maheshwari nagar		1	25.50	0.90	0.10		2.30		
1st crs maheshwari nagar to neelamaheshwaramma temple		1	27.50	0.90	0.10		2.48		
Measurement continued side wall drain									
bylappa circle to 1st cross		2	25.60	0.15	0.90		6.91		
1st crs to 2nd crs		2	27.80	0.15	0.90		7.51		
2nd crs to st mary scl		2	23.60	0.15	0.90		6.37		
st mary to kk road		2	28.30	0.15	0.90		7.64		
kk road to 4th crs		2	16.30	0.15	0.90		4.40		
4th crs to 5th crs		2	31.00	0.15	0.90		8.37		
5th crs to 6th crs		2	35.00	0.15	0.90		9.45		
6th crs to 7th crs		2	26.80	0.15	0.90		7.24		
7th crs to saw mill road		2	26.30	0.15	0.90		7.10		
culvert		2	7.60	0.30	0.90		4.10		
saw mill road to 1st crs maheshwari nagar	Checked	2	25.50	0.15	0.90		6.89		
1st crs maheshwari nagar to neelamaheshwaramma temple		2	27.50	0.15	0.90		7.43		
							110.52	7070.00	781376.00
Detailed-Measurement									
Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and conveyance charges, labour charges inclusive of cost of all materials.									
ppa circle to 1st cross	sqm	1	25.60	0.90			23.04		
s to 2nd crs		1	27.80	0.90			25.02		
s to st mary scl		1	23.60	0.90			21.24		
y to kk road		1	28.30	0.90			25.47		

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...road to 4th crs		1	16.30	0.90		14.67		
4th crs to 5th crs		1	31.00	0.90		27.90		
5th crs to 6th crs		1	35.00	0.90		31.50		
6th crs to 7th crs		1	26.80	0.90		24.12		
7th crs to saw mill road		1	26.30	0.90		23.67		
Culvert		1	7.60	1.50		11.40		
Saw mill road to 1st crs maheshwari nagar	Checked 9.3.20	1	25.50	0.90		22.95		
1st crs maheshwari nagar to Kumaheshwaramma temple		1	27.60	0.90		24.84		09/3/20
						275.82	2208.00	609011.00
Disposal of debris to the final place of disposal with all lead and lift lead as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 38 Item No. 17.1 PWD SR 2018-19								
	Cum	Qty Vide Item No. 2				367.15	69.00	25333.00
						Sub Total		2532461.00
ST Charge 12%								303895.00
							Total	2836356.00

CERTIFICATE:-

1. Work spot has been inspected and the work is found to be necessary
2. Estimate is prepared as per the PW,P & IWTD -SR-2018-19
3. Provision made in estimate are adequate and essential.
4. This area comes under BBMP limits.

Assistant Engineer
Ward No 15

Assistant Executive Engineer
T. Dasarahalli Sub Division
B.B.M.P.

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ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ಬೆಂಗಳೂರು-560073.

9/3/20.

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

S/S

Audit and Checked

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